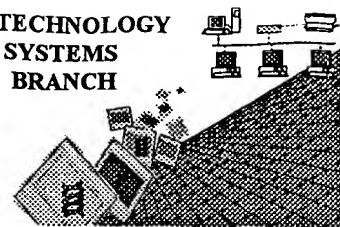


Ms
Karen
Smith

Re-new

BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/978,333A
Source: OLPE
Date Processed by STIC: 3/6/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003

Raw Sequence Listing Error Summary

01PE

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/978,333A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 / Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



OIPE

**Does Not Comply
Corrected Diskette Needed**

RAW SEQUENCE LISTING

DATE: 03/06/2002

PATENT APPLICATION: US/09/978,333A

TIME: 10:13:11

Input Set : A:\yul32-SEQ.ST25.txt

Output Set: N:\CRF3\03062002\I978333A.raw

Errors on pp 2+3

```

3 <110> APPLICANT: Glazer, Peter M.
5 <120> TITLE OF INVENTION: Triple-Helix forming Oligonucleotides for Targeted
Mutagenesis
7 <130> FILE REFERENCE: YU 132
C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/978,333A
C--> 9 <141> CURRENT FILING DATE: 2001-10-15
9 <150> PRIOR APPLICATION NUMBER: US 09/411,291
10 <151> PRIOR FILING DATE: 1999-10-04
12 <150> PRIOR APPLICATION NUMBER: US 08/476,712
13 <151> PRIOR FILING DATE: 1995-06-07
15 <160> NUMBER OF SEQ ID NOS: 9
17 <170> SOFTWARE: PatentIn version 3.1
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 10
21 <212> TYPE: DNA
22 <213> ORGANISM: Artificial Sequence
24 <220> FEATURE:
25 <223> OTHER INFORMATION: Oligonucleotide AG10
27 <400> SEQUENCE: 1
28 aggaagggggg 10
31 <210> SEQ ID NO: 2
32 <211> LENGTH: 20
33 <212> TYPE: DNA
34 <213> ORGANISM: Artificial Sequence
36 <220> FEATURE:
37 <223> OTHER INFORMATION: Oligonucleotide AG20
39 <400> SEQUENCE: 2
40 aggaagggggg ggggtgggtggg 20
43 <210> SEQ ID NO: 3
44 <211> LENGTH: 30
45 <212> TYPE: DNA
46 <213> ORGANISM: Artificial Sequence
48 <220> FEATURE:
49 <223> OTHER INFORMATION: Oligonucleotide AG30
51 <400> SEQUENCE: 3
52 aggaagggggg ggggtgggtggg ggaggggggag 30
55 <210> SEQ ID NO: 4
56 <211> LENGTH: 30
57 <212> TYPE: DNA
58 <213> ORGANISM: Artificial Sequence
60 <220> FEATURE:
61 <223> OTHER INFORMATION: Oligonucleotide Mix30
63 <400> SEQUENCE: 4
64 agtcagtcag tcagtcagtc agtcagtcag 30

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RAW SEQUENCE LISTING

DATE: 03/06/2002

PATENT APPLICATION: US/09/978,333A

TIME: 10:13:11

Input Set : A:\yu132-SEQ.ST25.txt

Output Set: N:\CRF3\03062002\I978333A.raw

```

67 <210> SEQ ID NO: 5
68 <211> LENGTH: 30
69 <212> TYPE: DNA
70 <213> ORGANISM: Artificial Sequence
72 <220> FEATURE:
73 <223> OTHER INFORMATION: Triplex target site in supFG1
75 <400> SEQUENCE: 5
76 tccttccccccc cccaccacccc cctccccctc 30
79 <210> SEQ ID NO: 6
80 <211> LENGTH: 124
81 <212> TYPE: DNA
82 <213> ORGANISM: Artificial Sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: supFG1 partial sequence
87 <400> SEQUENCE: 6
88 gaattcgaga gccctgctcg agctgtggtg ggggttcccg a gcggccaaag ggagcagact 60
90 ctaaattctgc cgtcatcgac ttccaaggtt cgaatccttc cccccccacc accccctccc 120
92 cctc 124
95 <210> SEQ ID NO: 7
96 <211> LENGTH: 30
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: Oligonucleotide SCR30
103 <400> SEQUENCE: 7
104 ggaggagtgg aggggagtga gggggggggg 30
107 <210> SEQ ID NO: 8
108 <211> LENGTH: 40
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: (A) donor fragment
115 <400> SEQUENCE: 8
116 agggagcaga ctctaaatct gccgtcatcg acttcgaagg 40
119 <210> SEQ ID NO: 9
120 <211> LENGTH: 77
121 <212> TYPE: DNA
122 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: A-AG30
127 <220> FEATURE:
128 <221> NAME/KEY: misc_feature
129 <222> LOCATION: (41)..(41)
130 <223> OTHER INFORMATION: 9-atom polyethylene glycol linker
133 <220> FEATURE:
134 <221> NAME/KEY: misc_feature
135 <222> LOCATION: (44)..(44)
136 <223> OTHER INFORMATION: 9-atom polyethylene glycol linker
139 <220> FEATURE:

```

- n can only represent
a single residue; see
error summary sheet
item 13

- same error

RAW SEQUENCE LISTING

DATE: 03/06/2002

PATENT APPLICATION: US/09/978,333A

TIME: 10:13:11

Input Set : A:\yul32-SEQ.ST25.txt

Output Set: N:\CRF3\03062002\I978333A.raw

140 <221> NAME/KEY: misc_feature

141 <222> LOCATION: (47)..(47)

142 <223> OTHER INFORMATION: 9-atom polyethylene glycol linker

145 <400> SEQUENCE: 9

W--> 146 agggagcaga ctctaaatct gccgtcatcg acttcgaagg ntnttnagg aagggggggg 60

148 tgggtggggga ggggggag 77

VERIFICATION SUMMARY

DATE: 03/06/2002

PATENT APPLICATION: US/09/978,333A

TIME: 10:13:12

Input Set : A:\yu132-SEQ.ST25.txt

Output Set: N:\CRF3\03062002\I978333A.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0